

FGF-2 (basic) 146 aa Active Protein | FGF-2 active protein

Human FGF-2 (basic) 146 aa

CATALOG #
AAA79192

REACTIVITY
Human

PRODUCT SYNONYMS

FGF-2 (basic) 146 aa; Human FGF-2 (basic) 146 aa; FGF2; BFGF; FGFB; HBGF-2; basic Fibroblast growth factor (bFGF); Heparin binding growth factor-3; Prostatropin; FGF-2 active protein

PRODUCT SPECIFICATIONS

Reactivity	Human
Purity/Purification	> 98% by SDS-PAGE & Silver stain
Form/Format	Lyophilized
Sequence	PALPEDGGSG AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH IKLQLQAEER GVVSIGKVCA NRYLAMKEDG RLLASKCVTD ECTFFERLES NNYNTYRSRK YTSWYVALKR TGQYKLGSKT GPGQKAILFL PMSAKS
Sequence Length	146
Expressed in	E Coli
Biological Activity	The ED ₅₀ was determined by a cell proliferation assay using balb/c 3T3 cells is <= 0.05 ng/ml, corresponding to a specific activity of >= 2 x 10 ⁷ units/mg.
Endotoxin level	< 0.1 ng/ug of protein (<1 EU/ug)
Reconstitution	Centrifuge prior to opening. Reconstitute in 5mM Tris, pH 7.6 to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Preparation and Storage	The lyophilized protein is stable room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C.

ADDITIONAL INFORMATION

Related Product Information for FGF-2 active protein	FGF-basic is one of 23 known members of the FGF family. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-basic is a non-glycosylated heparin binding growth factor that is expressed in the brain, pituitary, kidney, retina, bone, testis, adrenal gland liver, monocytes, epithelial cells and endothelial cells. FGF-basic signals through FGFR 1b, 1c, 2c, 3c and 4. Recombinant Human FGF-basic (146 a.a.) is a 16.4 kDa protein consisting of 146 amino acid residues.
Product Categories/Family for FGF-2 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	153285461
NCBI GeneID	2247
NCBI Accession #	NP_001997.5

NCBI GenBank Nucleotide #	NM_002006.4
UniProt Accession #	P09038; O00527; P78443; Q16443; Q5PY50; Q7KZ11; Q7KZ72; Q9UC54; Q9UCS5; Q9UCS6; A4LBB8
Molecular Weight	16.4 kDa
NCBI Official Full Name	fibroblast growth factor 2
NCBI Official Synonym Full Names	fibroblast growth factor 2 (basic)
NCBI Official Symbol	FGF2
NCBI Official Synonym Symbols	BFGF; FGFB; FGF-2; HBGF-2
NCBI Protein Information	fibroblast growth factor 2; prostatropin; heparin-binding growth factor 2; basic fibroblast growth factor bFGF
UniProt Protein Name	Fibroblast growth factor 2
UniProt Gene Name	FGF2
UniProt Synonym Gene Names	FGFB; FGF-2; bFGF; HBGF-2
UniProt Entry Name	FGF2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-active-protein/fgf-2-basic-146-aa/79192>